

## **CONFINED SPACE ENTRY DEVICE AND SAFETY LINE FOR FALL ARREST**

### **Abstract**

5 A confined space entry device has modularized components which allow the device to be readily reconfigured. In particular, the extension arm of the device is removably secured to one leg of an elbow, while a post or mast is removably secured to the other end of the elbow. The other end of the mast is removably secured to a base which supports the confined space entry device.

10 In one version of the invention, the device includes tubular members made of a polymer composite material. In another version of the invention, the elbow is asymmetric about a central axis and is formed of cast aluminum. The device can include sets of different-length elongated members which can be interchanged with elongated members secured within the device.

15 In yet another version of the invention, the device incorporates a safety line connected to a lower end of the davit assembly or member and extending to an upper end of the davit assembly or member. The safety line should have a tensile strength equal or greater than to the dynamic rating of the post; should the member break above the lower end, the safety line would arrest the fall of a worker or person secured to the confined space device.